

THE SONOMA COUNTY Farm Bureau Monthly

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SANTA ROSA, CALIF.

APRIL, 1919

No. 4

Farm Bureau Directors Get Inspiration at Conference

The annual Farm Bureau conference, as usual, was a great source of inspiration to all who attended. Sonoma County was represented by President Sheridan Baker of Santa Rosa, Director William Holmes Jr. of Kellogg, and Vice-director D. C. Proctor of Occidental. The conference opened at the College of Agriculture, Berkeley, on the evening of Tuesday, March 25, when Dean Hunt addressed the Farm Advisors and Directors present on "Agricultural Reconstruction in France." On the following morning the delegates were addressed by State Leader B. H. Crocheron, and Assistant State Leader C. W. Rubel, and W. A. Lloyd of the United States Department of Agriculture. Professor Crocheron talked on "The Function of the Farm Bureau," and Professor Rubel on "A Community Program of Work." Mr. Lloyd's remarks dealt with extension work in the northern and western states.

At 1 p. m. the conference left for Santa Cruz in forty-seven automobiles, traveling in regular formation, each decorated with a Farm Bureau pennant. On arriving at the poultry district about Santa Cruz, the conference divided into four sections for the purpose of inspecting the poultry ranches at hand. During the evening the delegates took part in the Santa Cruz Farm Center meeting.

Throughout the next week, with the exception of Sunday, the time of the delegates was fully occupied from 6:30 a. m. until 10 p. m. The daylight hours were spent in travel, eating, and in viewing Farm Bureau demonstrations, of which there were from four to eight per day. The evenings were devoted to Farm Center meetings or to meetings of the delegates.

One of the most effective demonstrations on the entire trip was the high school at Gonzales, Monterey county. As a result of the simple and economical unit construction, that is

a cottage for each of the several departments of the school, the cost of the plant has been kept at a low figure, about \$12,000 for a school of sixty pupils. As a result of the unit construction, the expansion of the plant, if it becomes necessary, will be an easy matter. A high standard of instruction is maintained and the graduates of the school compare favorably with those from other and more elaborately constructed high schools.

The Limoniera ranch at Santa Paula, the live stock demonstration at the Anita Baldwin ranch, and the work of the Home Demonstration agent of Riverside, are worthy of special mention, but space does not permit complete discussion of these features of the conference.

Other events of more than usual interest and importance to the delegates were the visit to the stock ranch of James Jeffries, the Atascadero real estate scheme, and the walnut moth control demonstration at Tustin.

Perhaps the greatest single suggestion gained on the trip was that relating to good roads. Southern California certainly appreciates the value of modern highways. In fact, everyone down there admits that good roads have been of the utmost importance in the development of the country.

The conference broke up at 10 p. m. on April 3d at Riverside, following a most enthusiastic dinner and meeting of the delegates.

Tobacco Dust for Round Worms

Round worms are intestinal parasites of poultry that are causing an enormous annual loss to poultrymen from decreased egg production and high percentage mortality of the flocks. The symptoms of round worm infection are dry, pale comb, ruffled feathers, emaciation (loss of flesh) and

the presence of a large number of worms in the intestines.

The control of round worms has never been worked out to the satisfaction of practical poultrymen. The use of worm expelling agents is, of course, known and practiced in cases of serious infection. The practical difficulties of this method are that it has usually caused a more or less temporary but nevertheless serious decrease in egg production, and also it has not been permanent in its effects, as the birds become re-infected immediately. As a rule the birds do not relish mash containing these worm expelling agents, and it is necessary to starve them for a short time in order to get them to eat it.

Recent investigation by the Poultry Division of the College of Agriculture has shown that tobacco dust fed in the dry mash is an effective remedy for round worms. To date, no harmful effects on the birds have been found. Its use has caused no decrease whatever in the egg yield of the flocks. On the contrary, an immediate and constant improvement in the condition of the infected birds has resulted in increased egg yield. The birds do not seem to detect the presence of tobacco dust in the mash, and therefore relish it, and consume their usual quantity without the necessity of applying starvation measures. The use of tobacco dust is recommended in flocks that are known to have round worms. The University is not yet ready to recommend its general use with uninfected flocks as a preventative.

Tobacco dust should be fed in the mash daily for a period of at least six weeks in the proportion of 2 per cent by weight. The dust used by the University was that put out by the Kentucky Tobacco Products Company, Louisville, Ky. It can be obtained direct, or through poultry supply dealers and seed dealers in California. This dust is standardized as to nicotine sulphate content, and is licensed under the Federal Insecticide Law as containing $\frac{1}{2}$ of 1 per cent nicotine sulphate. The use of 2 per cent of this dust, therefore, gives the mash a nicotine sulphate content of 1-100 of 1 per cent. The use of ground tobacco stems is not satisfactory and therefore the exact amount fed can not be controlled.

THE SONOMA COUNTY FARM BUREAU MONTHLY

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Farm Advisor.....George E. Merrill
Courthouse, Santa Rosa
Asst. Farm Advisor.....Donald E. Martin
Courthouse, Santa Rosa

Statement of the Ownership, Management, Circulation, etc., of The Sonoma County Farm Bureau Monthly, published monthly at Santa Rosa, California. For April 1, 1919.

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GEORGE E. MERRILL.

Sworn and subscribed to before me this seventh day of April, 1919.

(Seal)

L. A. PRESSLEY,
Notary Public.

My commission expires January 20, 1921.

Farm Advisor's Report for February and March

Miles traveled	3290
Days in field	44
Days in office	36
Farm calls made	65
Calls for advice at headquarters..	517
Telephone calls	266
Letters written	365
Farm Center meetings held.....	24
Attendance	771
Other meetings at which the Farm Advisor or Assistant Farm Advisor were present and spoke...	18
Attendance	443

The foregoing table includes the work of both the Farm Advisor and the Assistant Farm Advisor.

The meetings other than Farm Center meetings held during the month were largely field demonstrations on the control of the gopher. In some instances the Center meeting and the field demonstration were combined. In spite of the large amount of heavy weather during February, the meetings as a general thing were interesting and successful. Many meetings and demonstrations had to be suspended because of rain and the impassable condition of the roads.

In all but three or four Centers the question of Farm Bureau work for the coming year has been discussed, and suggestions advanced by the members. The following suggestions are given in the approximate order of their popularity. No subject is listed unless it was among the most popular six of the many suggestions made at the Farm Center meeting.

1. Carry bond issue for good roads.
2. Cow Test Association.
3. Co-operative purchasing of Farm Implements.
4. Consolidation of rural school districts.
5. Improved dairy stock.
6. Improved poultry stock.
7. Fertilization and soil improvement, lime development.
8. Co-operative buying and selling.
9. Weed control.
10. Find a market for wine grapes.
11. To improve the social life of the community.
12. Improved school conditions.
13. New range grasses.
14. Extend influence of Farm Bureau.
15. Passage of dog ordinance.
16. Co-operative boar association and better swine management.
17. Seed selection of potatoes and corn.
18. Plant disease eradication.
19. Control of ground squirrels.

20. Better bred sheep, and sheep management.
21. Social Hall for the Community.
22. Telephone line for the Community.
23. R. F. D. for the Community.

Among the 23 suggestions will undoubtedly be found those that will command the most widespread support among Farm Bureau members and others, if their execution is undertaken.

The highway bond issue has been presented in three centers by Mr. J. L. Peters, Secretary of the Sonoma County Tax Payers' Association, and in three centers by the Farm Advisor. The support of the Lynch plan in these centers is practically unanimous. It is even enthusiastic in many. If the carrying of the bond issue were to be determined by the Farm Bureau members alone, the vote would be four to one in favor of the bonds. Unfortunately, there is much apathy towards the question in the minds of some farmers and business men. I believe that every possible effort should be made by the Farm Bureau to assure the voting of the bonds. Center meetings during the past few weeks have shown that there is a very strong desire that the matter of road construction and maintenance in Sonoma County be placed in the hands of some competent authority, and it would seem desirable that the Farm Bureau directors do all in their power to facilitate the passage of the bill creating the office of County Highway Engineer.

There is also a well defined wish among dairymen that the Cow Test Department be established.

If the Farm Bureau is to hold a fair this fall the decision to do so should be taken at the earliest possible moment, in order that adequate preparation may be made for the event.

Both the Farm Advisor and the Assistant Farm Advisor will be out of the county in attendance on the Farm Bureau and Farm Advisor conference, until about April 5th. Mr. Nathan, Farm Management Demonstrator, and Mr. Evans, U. S. Poultry Agent, will be in the county for at least a portion of this time, and have expressed a willingness to aid in any center meetings that the directors may care to promote during the absence of the Farm Advisors.

The Farm Advisor believes it to be essential for the best success of the work that the Farm Center and the Farm Bureau assert their individuality more strongly than in the past. In other words, that they undertake to execute independently the projects that have the support of their members.

Farm Advisors Confer At the University

During the week preceding the Farm Bureau conference, the Farm Advisors and Assistant Farm Advisors met at Davis and Berkeley. At this conference many matters were discussed and the latest research developments presented to the Farm Advisors, who, in their turn, suggested to the University specialists the problems that required further investigation in the various counties.

Dr. Hayes, of the Veterinary Division, demonstrated the most recent discoveries in the control of black leg, anthrax, and hog cholera.

Professor Davidson discussed various types of tractors and results of speed of operation in plowing on power required. Other things being equal, a comparatively high rate of speed is desirable, as only 30 to 40 per cent more power is required to plow at four miles per hour than at two. At the high rate of speed the soil also is better pulverized.

The problems relating to drainage and irrigation, particularly in the interior valleys, were ably discussed by Dr. Fortier of the United States Irrigation Service, and Professor Shaw of the University of California.

Kill the Caterpillars

We are now having one of the worst invasions of tent caterpillars that the county has experienced for many years. Prompt action on the part of the orchardists will save thousands of dollars worth of prunes, cherries, apples and other fruit attacked.

The methods of control are hand picking or smashing, burning and poisoning. While the first two may be successful where only small numbers exist, they are not worth bothering with where the caterpillars are numerous. The poison method must be used in practically every case, if the damage is to be averted.

Caterpillars may be poisoned in two ways: by dry dusting and spraying methods. The dry poison consists of 10 pounds of hydrated lime to 1 pound of paris green. The trees are dusted with this preparation. It is only practical where you have a dust machine. The wet spray consists of arsenate of lead, 3 pounds dry or 6 pounds paste to 100 gallons of water. The addition of 6 pounds of commercial flour paste or 3 pounds of home made flour paste

will be found to add very materially to the effectiveness of the spray. The home made flour paste is made as follows: Sift 3 pounds of flour and mix into a thin batter with cold water, boil in a double boiler until clear. This will be sufficient for 100 gallons of spray.

CUTWORMS

It is possible that we may also have another attack of the cutworms which caused so much loss to the tomato growers last year. Our experience last season would cause us to recommend the dusting method of control. Use the hydrated lime, 10 pounds, and paris green, 1 pound, mixture. Dust this on the plants by means of a coarse sack or blower, being careful to cover the stems close to the ground with the mixture. In case the cutworms are in an orchard or vineyard, the poison bran mixture may be used. It is prepared as follows: Bran 10 pounds, white arsenic $\frac{1}{2}$ pound, molasses $\frac{1}{2}$ gallon, water 2 gallons. Place in small pats on boards or on the ground near affected parts. In using these preparations, and particularly the bran mixture, it must be remembered that they are deadly poison and will kill farm animals or poultry. The fields where they are used must not be pastured until all trace of the poison has disappeared. Do not place close to pasture fences or enclosures where cattle are kept, as they may reach through and eat the mash.

PRESIDENT BAKER HEADS FEDERATION COMMITTEE

President S. W. Baker and the Sonoma County Farm Bureau were honored through the appointment by Dean Hunt of President Baker as chairman of the committee to submit a tentative plan for a federation of the California County Farm Bureaus. The other members of the committee are, Mr. Morehead, president of the Sutter County Farm Bureau, Mr. Sawyer, president of the Stanislaus County Farm Bureau, and Mr. Craig, president of the Los Angeles County Farm Bureau. The committee was appointed on March 25th and held several meetings during the convention. The results of these meetings are embodied in a report containing the suggested constitution and by-laws for the California Farm Bureau Federation. The constitution will become effective when adopted by at least twenty of the County Farm Bureaus of the state. During the next few months an abundant opportunity will be given to the Farm Bureau Directors and Farm Centers to consider the suggested constitution.

THE COUNTY HOME DEMONSTRATION AGENT

"What will the Home Demonstration Agent do besides giving cooking demonstrations?"

This is the question most frequently asked of those who are bringing the work of this government specialist to the attention of the women in the counties of this State. The most comprehensive answer in the fewest words is that she will mean to the women in a county all that the Farm Advisor means to the men in that county.

To elaborate this answer, it can be said that she is prepared to take up with the women such problems as seem most needful in a community or for an individual. Last year, when working in a large district made up from three to eleven counties, the district agent could not stay long enough in any place to attempt consecutive follow-up work; so she confined her efforts to food demonstrations. Now that the home demonstration agent is assigned to a single county, as she becomes acquainted with the women, she finds out the wishes and needs of the women for their communities, schools, and homes, and shows how these ideas can be practically worked out. As a specialist she is competent to deal with those topics which relate to the home and the housewife. She is skilled in all economic knowledge. She can suggest remunerative home industries, advise on the purchase and use of textiles and the utilization of partly worn linen and garments; give pointers on sanitation and home surroundings. Among the projects already initiated in counties with a home demonstration agent are: Clothing and hat modeling, eradication of flies, community drier, septic tank, hot school lunches, dietetics, community kitchen, poultry, vegetable gardens, landscape gardening.

"How can we get such an Agent in our county?"

First, persuade every woman living in the county to join the Farm Bureau just as the men do, by paying dues for one year. There are no other fees. The women members will form a separate department of the Farm Bureau called the Farm Home Department. In each Farm Bureau center they will organize their department by electing three of their number as chairman, vice-chairman, and secretary. They will hold a meeting once a month at such time and place as may be decided by popular vote. The chairmen from all the centers will then meet together, elect three of their number as vice chairmen and secretary of the department; and all of them, together with the Board of Directors of the Farm

(Continued on last page)

THE SONOMA COUNTY FARM BUREAU MONTHLY

THE COUNTY HOME DEMONSTRATION AGENT

(Continued From Page Three)

Bureau, will petition the Board of Supervisors to appropriate \$1500.00 to pay the expenses in the county of the Agent—the Government and the State pay her salary. When this appropriation is made the Agent is at once appointed.

Do you want such an agent in your county?

If so, tell the Farm Advisor and he will help you in planning preliminaries. Agents are already at work in nine counties—Alameda, Imperial, Kern, Los Angeles, Riverside, San Bernardino, San Diego and Shasta.

MARCH MEETING OF THE FARM BUREAU DIRECTORS

The regular monthly meeting of the Farm Bureau Directors was held in the Farm Bureau room in the Court House, on March 15th.

Ten Farm Centers were represented at this meeting, as follows: Windsor, Alexander Valley, Cinnabar, Lakeville, Kellogg, Porter Creek, Mt. Olivet, Bellevue, Occidental and Bodega.

The records of the last meeting were read and approved and bills amounting to \$114.11 were presented and ordered paid.

Cow Test Association

Mr. Denman, reporting for the Cow Test Association Committee, stated that the fee of \$1.25 was regarded as high by some dairymen; but, judging from the experience of other cow test associations it is evident that an association can not be maintained on a lower fee per animal.

Highway Bond Issue

The Sonoma County Farm Bureau is to go on record as being heartily in favor of the proposed highway bond issue, providing the expenditure of such funds in building and maintaining such highways be centralized in the hands of a competent highway engineer. The Secretary was instructed to write to our representatives in the Legislature, again urging them to use every effort to secure the passage of a County Highway Engineer bill.

Farm Bureau Conference

The President was authorized to appoint a committee of three to represent the Sonoma County Farm Bureau in the Traveling Section of the Annual Farm Bureau State Conference.

Farm Bureau Fair

The matter of holding a Farm Bureau Fair was laid on the table until next meeting.

Projects

Mr. Guillou, Mr. Wallis and Mr. McCutchan were appointed as a committee to study over the list of projects as submitted by the various Centers and report back at the next meeting.

Employment Office

Mr. Sheridan Baker and Mr. O. E. Bremner were chosen as a committee to go before the Board of Supervisors to try to have funds made available for the maintenance of the Federal Employment Office at Santa Rosa, until July 1, 1919, at which time it is hoped Federal funds will be available. Unless some provision is made locally for its maintenance this office will be forced to close on March 22, 1919.

Communications

The Committee, representing this Farm Bureau at the Annual State Conference, is to look into the matter of federating all county farm bureaus into a State organization, as suggested in a communication from the Stanislaus County Farm Bureau. This committee to report back at the next meeting.

A resolution asking for the rescinding of the liquor proclamation, in order to save the 1919 grape crop, as received from the Napa County Farm Bureau, was endorsed by this Farm Bureau and a copy is to be sent to Washington.

Legislative Matters

The Legislative Committee was instructed to investigate and report on a bill now before the Legislature, requiring the placing of the food analysis on sacks containing stock and chicken feeds.

CALIFORNIA FARMERS PICNIC AT DAVIS ON APRIL 26TH

The Eleventh Annual Picnic Day at the University Farm, Davis, will be held on April 26th this year. On this day it is expected 25,000 visitors will come to the State's great Experiment Station as guests of the student body, and be shown around the 1000 acre ranch.

This is going to be an unusual Picnic Day, an affair of par-excellence. R. H. Crabtree, General Chairman, announces that with the big day only a few weeks off, plans have already progressed so favorably that he will guarantee against any disappointments, and EVERYBODY will be pleased with the program this year. More comedy, open air dancing, and better athletics will be furnished. The slogan of the Publicity Committee this year is "You furnish the lunch, we furnish the fun."

Those interested in livestock will have ample opportunity of visiting the different barns and there see some of the finest pure-bred livestock in the country, all on exhibition and in show shape.

The various departments of the Farm will hold practical demonstrations in their line of work, which will prove of material benefit to many farmers.

There will be a high-school track team, held in the morning on the athletic field.

After looking over the farm and making a few investigations for future use at home, and possibly taking in the track meet, the visitors are now ready for lunch. Nearly everybody brings their lunches and the thoughtful ones have coffee cups or containers with them to get the free coffee in, which is served by the Refreshment Committee. Plenty of fresh buttermilk, which is a University Farm product, will be on hand free of charge for the thirsty ones.

After lunch everyone gets a place along the line of march of what is properly termed, "The Greatest Livestock Parade in the West." Here the visitors see beautifully decorated floats, champion livestock in the pink of condition, the latest and best in gasoline tractors, comedy stunts, and many other attractions.

A baseball game between the Farm School's nine and the Mather Field team will start soon after the parade is over.

A water polo contest in the swimming tank is another interesting event which will attract many.

Those who like dancing can visit the jitney dance which is an added attraction this year. It will be held on a newly constructed floor over the tennis courts outside. The regular evening dances will be held the same as last year.

There! it's all over but the shouting, and another University Farm Picnic will have passed into history; but no without thousands of people being benefited either by being in the non-commercial atmosphere characteristic of a University Farm Picnic or by the knowledge derived at the Farm.

FARM CENTER MEETINGS SCHEDULE

Farm Center meetings for next month are scheduled as follows:

April 21	Vallejo
April 22	Occidental
April 23	Sebastopol
April 24	Lakeville
April 25	Two Rock
April 28	Annapolis
May 1	Cinnabar
May 2	Windsor
May 5	Penngrove
May 6	Kellogg
May 8	Bodega
May 9	Cloverdale
May 12	Porter Creek
May 13	Bellevue
May 14	Kenwood
May 15	Guerneville
May 16	Sonoma